

Extension Service

Please Note: There is a \$3.00 Shipping and Handling fee per sample.

W1 Basic Water Test [pH, phosphorus (P), potassium (K), calcium (Ca), magnesium (Mg), manganese (Mn), iron (Fe), aluminum (Al), boron (B), copper (Cu), zinc (Zn), sodium (Na), chromium (Cr), cadmium (Cd), nickel (Ni), molybdenum (Mo) and hardness]	\$10.00
W2 Georgia Expanded Water Test (Available January 2, 2002) (Required for design of water treatment systems). Need 1 Quart. (This test includes W1, W3, W11, W18).	\$45.00
W3 Anions [Sulfate (SO ₄), Nitrate (NO ₃), Chloride (Cl), Fluoride (F), Phosphate (PO ₄)	\$20.00
W4 Any single Anion (in W3)	\$8.00
W5 Any two Anion (in W3)	\$14.00
W6 Nitrate-Nitrogen (NO ₃ -N)	\$8.00
W7 Nitrite-Nitrogen (NO ₂ -N)	\$8.00
W8 Ammonium-Nitrogen (NH ₄ -N)	\$8.00
W9 Lead (Pb) (sensitive to 2 ppb)	\$20.00
W10 pH only	\$3.00
W11 Soluble Salts (Electrical Conductivity/Specific Conductance).	\$7.00
W12 Arsenic (AS)	\$25.00
W13 Selenium (Se)	\$25.00
W14 Mercury	\$35.00
W15 Thallium (Low Level/Graphite Furnace)	\$20.00
W16 Antimony (Sb) (Low Level/Graphite Furnace)	\$20.00
W17 Kjeldahl Nitrogen	\$15.00
W18 Alkalinity (bicarbonate) and/or Free Carbon Dioxide by calculation (CO ₂) (Need 150 mls)	\$8.00
W19 Acidity	\$15.00
W20 Total Dissolved Solids (TDS)	\$10.00
W21 Total Suspended Solids (TSS)	\$10.00
W22 Total Solids (TS)	\$10.00
W23 Total Volatile Solids (TVS) and Total Solids (TS)	\$15.00
W25 Chemical Oxygen Demand (COD)	\$15.00
W26 Fat, Oil & Grease (FOG) non-petroleum Submit a 1-quart sample in dedicated glass container. Water should be chilled until delivered to the lab.	\$25.00
W27 Phosphorus (P) (less than 0.1 ppm) Total Dissolved Reactive Total Reactive	\$20.00 \$10.00 \$8.00
W28 Phenol	\$35.00
W29 Cyanide	\$40.00

W30 Color (50 mls)	\$15.00
W31 Turbidity (50 mls)	\$10.00
W32 Total Nitrate (NO ₃) + Nitrite (NO ₂) as N	\$8.00
W33 GA - EPD Public Water System Review and Permitting Process (Tests included W1, W2, W3, W4, W6, W7, W18, W20, W30, W31, W32) (1 Gallon in plastic container required).	\$97.00
Pesticide Analysis in Water (1-Quart Minimum)	
Must use quart size amber bottles with Teflon-lined caps available from the Fayette County Extension Service or a new quart Mason jar with aluminum foil under the cap may be substituted. (1-Quart Minimum)	
W45 Chlorinated Hydrocarbon & Organic Phosphate Insecticide Screen [Includes: Aldrin, Chlordane, DDD, DDE, DDT, Dieldrin, Endrin, Ethion, Heptachlor, Heptachlor Epoxide, Lindane, Malathion, Methoxychlor, Methyl Parathion, Mirex, Parathion, PCB 1242, PCB 1254, PCB 1260, Taxaphene]	\$75.00
W46 Herbicide Analysis in Water [Includes: Atrazine, Balan, Bromacil, Devrinol, Dual, Eptam, Goal, Hexazinone, Lasso, Ordram, Oxadiazon, Paarlant, Propachlor, Propazine, Prowl, Roneet, Sencor, Simazine, Sutan, Terbacil, Tilam, Tolban, Treflan, Vernam]	\$75.00
W47 Phenoxyherbicide Analysis in Water Includes: 2, 4-D 2,4-DB 2,4,5-T Dicamba Silvex Picloram	\$75.00
W48 Termiticides Dursban Cypermethrin Chlordane Bifenthrin Pydrin Permethrin	\$75.00
Note: Other insecticide, herbicide, pesticide and termiticide analyses are available upon request. Normal analysis time is approximately two (2) weeks. Faster analysis time is available upon request.	
Primary & Secondary Drinking Water Standards (Public Wells)	
W50 Inorganic Analysis [Includes: Arsenic (As), Barium (Ba), Cadmium (Cd), (Cu), Chromium (Cr), Fluoride (F), Lead (Pb), Mercury (Hg), Nitrate (NO ₃), Selenium (Se), Silver (Ag), Alkalinity, Hardness, pH, Carbon Dioxide (CO ₂), Chloride (Cl), Copper, Iron (Fe), Manganese (Mn), Sodium (Na), Sulfate (SO ₄), Total Dissolved Solids, Zinc (Zn), Color, Turbidity]	\$200.00
W51 Organic Analysis Endrin 2,4-D Lindane 2,4,5-TP Silvex Methoxychlor Toxaphene	\$100.00
W52 Volatile Organic Analysis (solvents) (Submit sample in 40ml vial, available from laboratory. Vial must be completely full.) Includes: Vinyl Chloride Trans-1, 3-Dichloropropene 1,1-Dichloroethylene Cis-1, 2-Dichloropropene Methylene Chloride 1,1,2-Trichloroethane Trans-1,2-Dichloroethane 1,1,2,2-Tetrachloroethylene	\$100.00

1,1-Dichloroethane	Dibromochloromethane	
Chloroform	Chlorobenzene	
1,1,1-Trichloroethylene	Bromoform	
Carbon Tetrachloride	1,2 Dichloropropane	
1,1,2,2-Tetrachloroethane	1,3-Dichlorobenzene	
Trichloroethylene	1,4-Dichlorobenzene	
1,2-Dichloropropane	1,2-Dichlorobenzene	
Bromodichloromethane	Benzene	
Toluene	Ethyl Benzene	
M,P-Xylene	O-Xylene	
PETROLEUM PRODUCTS IN WATER		
Before running these tests, the Fayette County Extension Service suggests running mineral analyses (W1 + W6 Nitrate-Nitrogen) first because of a combination of high iron bacteria levels can cause petroleum taste and odor.		
W53 Total Petroleum Hydrocarbons (TPH) Quart size amber bottles with Teflon-lined caps are available at the Fayette County Extension Service. Mason jar with aluminum foil under the cap may be substituted.		\$50.00
W54 Benzene, Toluene, Ethyl Benzene, Xylene (BTEX) (required gas analysis) Submit sample in 40ml vial, available from the Fayette County Extension Service. Vial must be completely full.		\$75.00
W55 MTBE (Call the Fayette County Extension Service for special sampling instructions and containers).		\$75.00